

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. APPLN. NO. 10/829,178

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the present title with the following amended title:**

**COMBINED DC ERASE/SERVO WRITE MAGNETIC HEAD AND  
MANUFACTURING METHOD THEREOF**

**Page 3, second paragraph (spanning pages 3 and 4), delete in its entirety, and  
replace with the following:**

However, also in the undisclosed inventions, as shown in FIG. 4A, if a combined magnetic head ~~H' H1'~~ is manufactured through a non-magnetic ~~magnetic body~~ 50' by joining a DC magnetizing head 10' having DC erase head gaps 10G' (hereinafter referred to as the "servo head gaps" in abbreviation) and a servo write head 20' (hereinafter referred to as the "servo head" in abbreviation) having servo write head gaps 20G', each of the DC erase head gaps 10G' and the servo write head gaps 20G' could be displaced by  $\Delta D$  in lateral directions of a magnetic tape MT1' due to a manufacturing error.

**Page 9, third full paragraph, delete in its entirety, and replace with the following new paragraph:**

The magnetic layer 11b, the magnetic film 12, and the surface magnetic layer 13 are formed of magnetic materials having magnetism. Although kinds of the magnetic materials are not specifically limited in the present invention, they can be formed by being selected as needed, for example, from metal alloy magnetic materials such as an Fe-Ni alloy of soft magnetism called ~~Permalloy~~, ~~Sendust~~, ~~Alperm~~, PERMALLOY, SENDUST, ALPERM, and an amorphous alloy.

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**Page 9, fourth paragraph (spanning pages 9 and 10), delete in its entirety, and replace with the following:**

On the other hand, the first base member 11 itself is formed of non-magnetic materials having non-magnetism, and as such the non-magnetic materials, are cited, for example, alumina ~~titan-titanium~~ carbide ( $\text{Al}_2\text{O}_3\cdot\text{TiC}$ ), non-magnetic ferrites, ~~titan-oxide~~-calcium ~~titanate~~ ( $\text{CaO}\cdot\text{nTiO}_2$ ), and the like.

**Page 11, first full paragraph, delete in its entirety, and replace with the following:**

Furthermore, the servo head gaps 20G show an approximately “bottom- open-reverse-V letter” in a plan view, and respectively form bursts Ba (see FIG. 3B), which are magnetization portions for making a positive slanted angle ~~for to~~ a travel direction of the magnetic tape MT1, and bursts Bb, which are magnetization portions for making a negative slanted angle ~~for to~~ the travel direction of the magnetic tape MT1, with the servo signals SS written by the leak magnetic fluxes MFs, thereby servo patterns SP consisting of the bursts Ba and the bursts Bb being able to be written.

**Page 11, third full paragraph, delete in its entirety, and replace with the following:**

The non-magnetic body 50 is configured of non-magnetic materials having non-magnetism, and plays a role of magnetically insulating the DC erase head 10 and the servo head 20. Although as kinds of the non-magnetic materials forming the non-magnetic body 50, there is specifically no limitation in the present invention, for example, are cited a ceramic called AlTiC consisting of aluminum (Al), ~~titan-titanium~~ (Ti), and carbon (C), ~~titan-oxide~~-calcium ~~titanate~~ ( $\text{CaO}\cdot\text{nTiO}_2$ ), non-magnetic ferrites, and the like.

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**Page 16, third full paragraph, delete in its entirety, and replace with the following:**

The servo signals SS form the bursts Ba, which are magnetization portions for making the positive slanted angle ~~for to~~ the travel direction of the magnetic tape MT1, and the bursts Bb, which are magnetization portions for making the negative slanted angle ~~for to~~ the travel direction of the magnetic tape MT1 by the servo head gaps 20G, showing the approximately “bottom-open- reverse-V letter.” And one burst Ba and one burst Bb configure one servo pattern SP. Furthermore, the servo pattern SP is repeated in the longitudinal directions of the magnetic tape MT1 by giving the current pulse at a predetermined interval.

**Page 16, fourth full paragraph, delete in its entirety, and replace with the following:**

Meanwhile, although in the embodiment one burst Ba and one burst Bb configure one servo pattern ~~SP1, SP~~, it is freely variable as needed: for example, each five of the bursts Ba and the bursts Bb configure each servo pattern SP, furthermore each of the bursts Ba and the bursts Bb is alternately arranged, and the like.

**Page 17, second paragraph, delete in its entirety, and replace with the following:**

In other ~~word, words,~~ a magnetic direction largely varies from the forward direction to the reverse direction at a change portion from a base portion of the servo bands SB magnetized in the forward direction to the servo patterns SP magnetized in the reverse direction. In addition, the magnetic direction largely varies from the reverse direction to the forward direction also at a change portion from the portion of the servo patterns SP magnetized in the reverse direction to the base portion of the servo bands SB magnetized in the forward direction. Namely, at the

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change portions such large magnetic changes result in occurring, thereby the servo signals SS becoming able to be read with a large output by the servo read element.